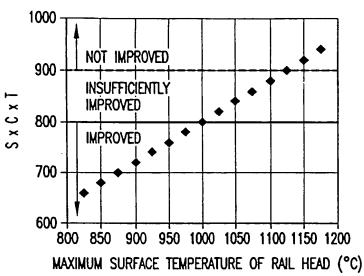
App No.: NEW Inventor: Masaharu UEDA et al.

Docket No.: 4276-0115PUS1

Title: A METHOD FOR PRODUCING HIGH-CARBON STEEL

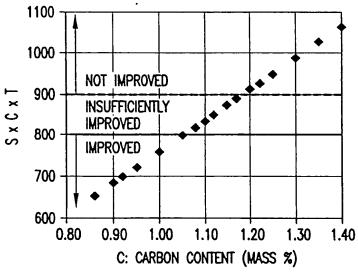
RAILS EXCELLENT IN WEAR RESISTANCE, etc.

NEW SHEET Sheet 1 of 4



RELATIONSHIP BETWEEN (MAXIMUM SURFACE TEMPERATURE (T)) AND (MAXIMUM ROLLING INTERVAL TIME (S) \times CARBON CONTENT (C) \times MAXIMUM SURFACE TEMPERATURE OF RAIL HEAD (T))

FIG.1



RELATIONSHIP BETWEEN (CARBON CONTENT (C)) AND (MAXIMUM ROLLING INTERVAL TIME (S) \times CARBON CONTENT (C) \times MAXIMUM SURFACE TEMPERATURE OF RAIL HEAD (T))

FIG.2

App No.: NEW

Docket No.: 4276-0115PUS1

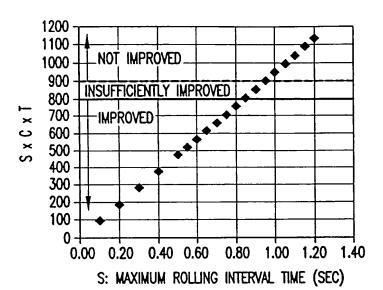
Inventor: Masaharu UEDA et al.

Title: A METHOD FOR PRODUCING HIGH-CARBON STEEL

RAILS EXCELLENT IN WEAR RESISTANCE, etc.

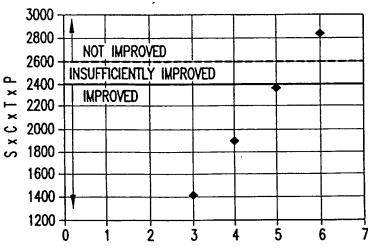
NEW SHEET

Sheet 2 of 4



RELATIONSHIP BETWEEN (MAXIMUM ROLLING INTERVAL TIME (S)) AND (MAXIMUM ROLLING INTERVAL TIME (S) x CARBON CONTENT (C) x MAXIMUM SURFACE TEMPERATURE OF RAIL HEAD (T))

FIG.3



P: NUMBER OF PASSES IN CONTINUOUS ROLLING

RELATIONSHIP BETWEEN (CARBON CONTENT (C)) AND (MAXIMUM ROLLING INTERVAL TIME (S) \times CARBON CONTENT (C) \times MAXIMUM SURFACE TEMPERATURE OF RAIL HEAD (T))

FIG.4

App No.: NEW

Docket No.: 4276-0115PUS1

Inventor: Masaharu UEDA et al.

Title: A METHOD FOR PRODUCING HIGH-CARBON STEEL
RAILS EXCELLENT IN WEAR RESISTANCE, etc.

NEW SHEET Sheet 3 of 4

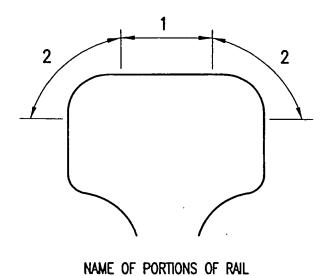
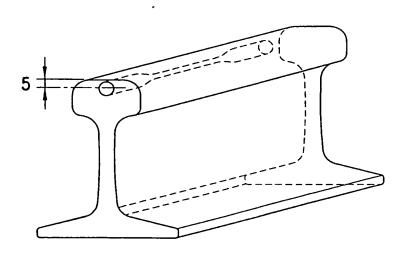


FIG.5



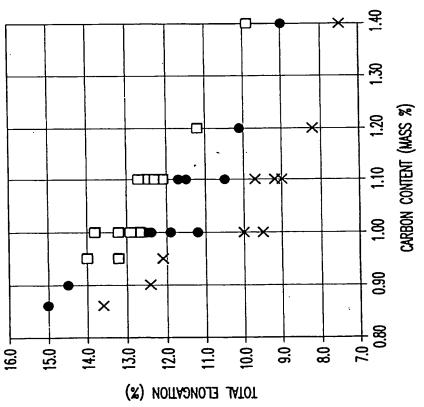
PORTION OF RAIL TAKEN AS SPECIMEN FOR TENSILE TEST

FIG.6

App No.: NEW Docket No.: 4276-0115PU Inventor: Masaharu UEDA et al.
Title: A METHOD FOR PRODUCING HIGH-CARBON STEEL RAILS EXCELLENT IN WEAR RESISTANCE, etc.
NEW SHEET Sheet 4 of Docket No.: 4276-0115PUS1

Sheet 4 of 4

1. 1~4,6~15 BY THE INVENTION
2. 5,16~26 BY THE INVENTION AND
C VALUE IS ALSO CONTROLLED
3. 27~36 BY COMPARISON



RELATIONSHIP BETWEEN THE CARBON CONTENT AND THE TOTAL ELONGATION VALUE OF THE RAIL